VIC 20 COLOUR COMPUTER

Full Feature, Low Cost, Colour Computer.

Before the VIC 20 revolutionised personal computing many people regarded computers as powerful machines reserved only for big businesses, affluent school systems, or hobbyists. Now, thanks to Commodore, everyone can afford to own a personal computer.

The VIC 20 is the world's most affordable full-featured, expandable colour computer.

Everyone in the family, young or old, can operate the VIC 20 with ease and confidence. First-time computerists can write their first program within 15 minutes. Yet, the VIC 20 can be expanded to meet the most sophisticated needs of experienced programmers and hobbyists.

Built-in features are unique to any computer in this price range. The VIC 20 offers a full-size typewriter keyboard with upper/lower case letters and graphics characters, a powerful built-in BASIC programming language which prompts you if you make mistakes, 16 colours easily changed from the keyboard, 4 sound amplifiers for music and sound effects, 4 programmable function keys, plug-in program cartridges, joysticks, and a complete range of low-priced modular accessories.

The VIC 20's capabilities can be increased through a wide variety of add-on accessories which tailor the system to any need or budget. A complete library of plug-in program cartridges provides immediate access to computer games and practical application programs, such as home budgeting.

Memory can be expanded from the standard 5K bytes up to 32K bytes with plug-in memory expander cartridges.

Additional accessories include a cassette recorder which uses ordinary audio tapes, a low-priced disk drive, dot matrix printer, game controls and more.

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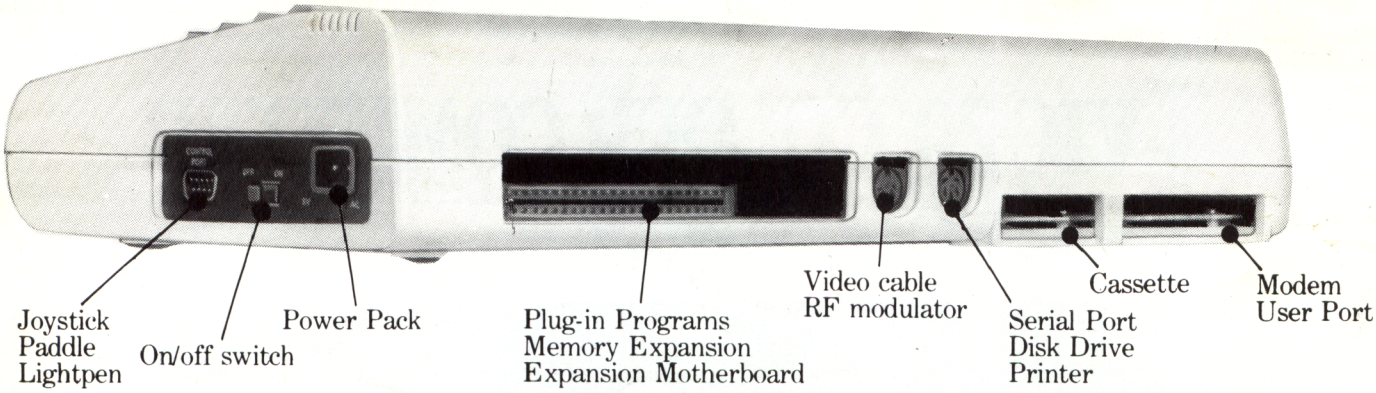

VIC20 Colour Computer

Specifications

PROGRAMMING FEATURES

6502A microprocessor.
Up to 88 characters per line with multiple statements per line.
Programmable clock.
9-digit floating point arithmetic.
True random number generator.
BASIC Interpreter available after powering on.
High resolution multicolour graphics.

INPUT/OUTPUT

8 bit parallel port.
Serial output port.
Games for Joystick, Paddle and Lightpen.
Memory Expansion port.
Cassette port.
Video and audio output port.
RS232C interface available.

KEYBOARD

62-key typewriter style keyboard with graphics capabilities.
4 function keys with eight programmable functions.
Colours are directly addressable from the keyboard.
Cursor control keys and text edit keys standard.
Two control keys to control 64 graphics characters.
Repeat key function on space bar, insert delete and cursor control keys.
Other keys can be programmed to repeat.

VIDEO OUTPUT

Composite, PAL colour standard, video output.
Connects directly to TV monitor or RF modulator.
RF modulator provides dual television channel signal.

DISPLAY

22 characters by 23 lines.
Upper and lower case characters.
128 ASCII characters plus 128 graphics characters.
Programmable characters.
High resolution.
Maximum resolution 176 by 184 pixels (32, 384 in total.)
Reverse character display for highlighting.
8×8 character matrix for each character.

COLOURS

8 character colours.
8 boarder colours.
16 screen colours.
Colour selection available from program keys is; black, white, red, cyan, purple, green, blue, yellow

SOUND

3 Tone generators for music.
Each generator gives 3 octaves.
'White noise' generator for music and sound effects.
Reproduction is through TV speaker or external amplifier.

MEMORY

RAM (Random Access Memory)
5K bytes (expandable to 32K bytes)
ROM (Read Only Memory)
20K bytes (expandable with plug-in cartridges).

COMMODORE BASIC COMMANDS/FUNCTIONS

ABS	ASC	ATN	CHR$	CLOSE
CLR	CMD	CONT	COS	DATA
DEF FN	DIM	END	EXP	FNX
FOR ... NEXT	FRE	GET#	GET	GOSUB ... RETURN
GOTO	IF ... THEN	IF ... GO	INPUT#	INPUT
INT	LEFT$	LEN	LET	LIST
LOAD	LOG	MID$	NEW	ON ... GOSUB
ON ... GOTO	OPEN	PEEK	POKE	POS
PRINT	PRINT#	READ	REM	RESTORE
RIGHT$	RND	RUN	SAVE	SIN
SGN	SPC	SQR	STATUS	STOP
STR$	SYS	TAB	TAN	TIME
TIME$	USR	VAL	VERIFY	WAIT
=	+	−	/	*
↑	≠	>	<	

POWER REQUIREMENTS

Volts : 240 VAC
Cycles: 50 Hz
Watts : 25 W

PHYSICAL SIZE

Height: 70 mm (2½ inches)
Width : 405 mm (16 inches)
Depth : 200 mm (8 inches)
Shipping Weight: 4.2kg (9½lbs)
Shipping Volume: 580×260×110mms (23×10¼×4½inches)

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Specifications subject to change without notice Code 611210